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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,620	07/22/2003	Robert J. Tondreault	13698-0003	6594
25267	7590	09/22/2004	EXAMINER	
BOSE MCKINNEY & EVANS LLP 135 N PENNSYLVANIA ST SUITE 2700 INDIANAPOLIS, IN 46204			VU, HIEN D	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/624,620

Applicant(s)

TONDREAU ET AL.

Examiner

Hien D. Vu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 7-14, 16-22 and 25-29 is/are rejected.
- 7) ☒ Claim(s) 5, 6, 15, 23 and 24 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/22/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

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1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the feature at least one ground contact coupled to the conductive strip in claim 17, lines 9-10 and claims 18-19 features must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. Claims 17-19 are objected to because the feature "at least one ground....strip" in claim 17, lines 9-10 and claims 18-19 features are unclear since such features are not shown in the drawings.

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3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

4. (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 2, 9, 10-12, 17, 19, 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Koegel et al (874).

The disclosure of Koegel provides a complete response to each and every element set forth in the claims. For example: Figs. 1-3 show an insulative body 13, a plurality of contact openings 14, a contact array including a carrier strip (10, 12) and a plurality of contacts 9 of coupled to the carrier strip, signal conductors 2 of a cable 1, a ground 5 of the cable 1 coupled to the carrier strip (10, 12).

As to claims 2, 20, column 2, lines 61-64 disclose the welding or solder joining are read as the recited means for securing the carrier strip to the cable.

As to claim 9, a drain wire 5 extending from the end portion of the cable 1 and coupled to the carrier strip (10, 12).

As to claim 10-12, the method steps of claims 10-12 substantially corresponding to the connector claim 1, therefore, they are rejected under the similar rationale.

As to claims 17 & 19, insofar as the claims can be understood, a portion 10 read as the recited ground contact coupled to the strip 12.

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 3, 4, 7, 8, 16, 18, 21-22 and 25-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koegel et al (874) in view of Kato (129).

Koegel does not show the carrier strip having at least one retention section that is configured to pierce the end portion of the cable or the contact array includes a plurality of couplers configured to couple the selected contacts to the signal conductor of the cable without the use of solder. Kato, figs. 1-4A-B show a carrier strip 2 having at least one retention section (6A, 6B) that is configured to pierce the end portion of cable W or the contact array includes a plurality of couplers 6A, 6B configured to couple the selected contacts to the signal conductors of the cable W. It would have been obvious to one with skill in the art to modify the connector of Koegel by replacing the retention means of the cable with a retention section that is configured to pierce the end portion of the cable or the contact array with couplers, as taught by Kato, in order to allow easier connection and reduce the cost.

As to claims 4, 14, 22, the retention section is coupled to the ground shield located in the cable.

As to claim 7, 26, the couplers are insulation displacement contact sections.

As to claims 16, 27, the cable ground includes at least one drain wire 5 extending from one end portion of the cable, the carrier strip (10, 12) being coupled to the end portion of the cable in contact with at least one drain wire 5 to provide a ground connection between the at least one drawn wire and the at least one of the contacts.

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As to claim 18, in absence of any showing of criticality by the applicant to form the ground contact to be separate piece from the conductive strip would have been an obvious of modification since such change solve no stated problem.

8. Claims 5, 6, 15, 23 and 24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

9. Koegel et al (875), Shinohara et al, Volinskie, Fogg et al, Mroczkowski et al and Murphy are cited for disclosure of coaxial cable connectors.

10. Any inquiry concerning this communication should be directed to Hien Vu at telephone number (571) 272-2016.

Vu/ds

09/14/04


HIEN VU
PRIMARY EXAMINER